Year 9 Mathematics Worksheet 5

Write the answers in your Exercise Book.

Algebra

1.   An expression is given as $3x^2 - 2y + 7x - 8$.

      (a)   How many terms are in the expression?   **(1 mark)**

      (b)   What is the coefficient of x?   **(1 mark)**

      (c)   What is the constant term?   **(1 mark)**

2.   There are different types of algebraic expressions depending on the number of terms in the expression. For each of the expressions given below, identify whether it is a monomial, binomial or trinomial.

      (a) $2x$

      (b) $4x + pq - 2$

      (c) 100

      (d) $x^2 + 5$ **(2 marks)**

3.   Simplify the following.

      (a) $\dfrac{2x}{3} + \dfrac{x}{2}$ **(1½ marks)**

      (b) $\dfrac{27a^2bc^2}{9abc}$ **(2 marks)**

      (c) $\dfrac{x}{3} \div \dfrac{3x}{9}$ **(1½ marks)**